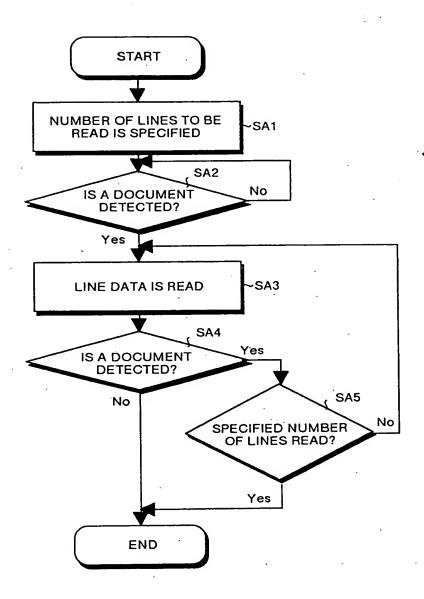
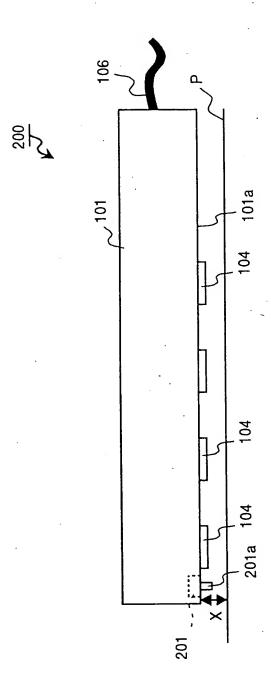
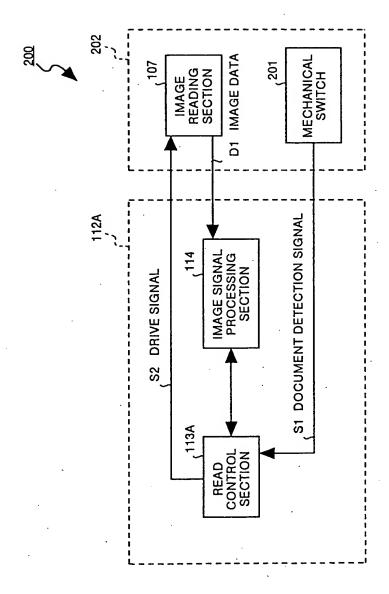


FIG.4







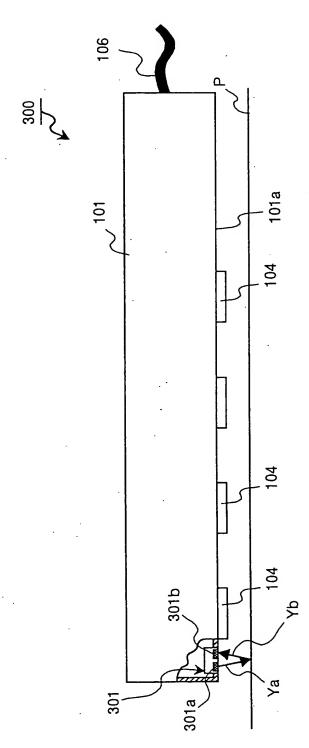
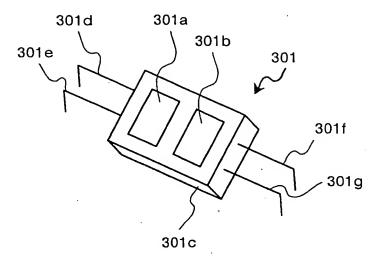
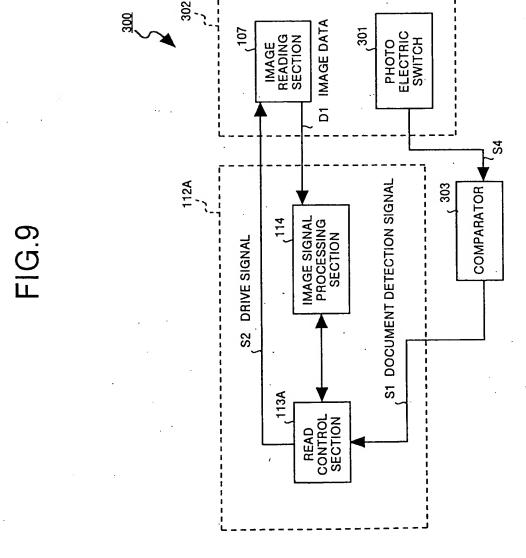


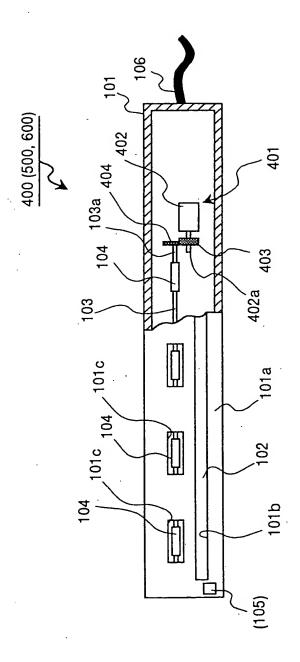
FIG.7

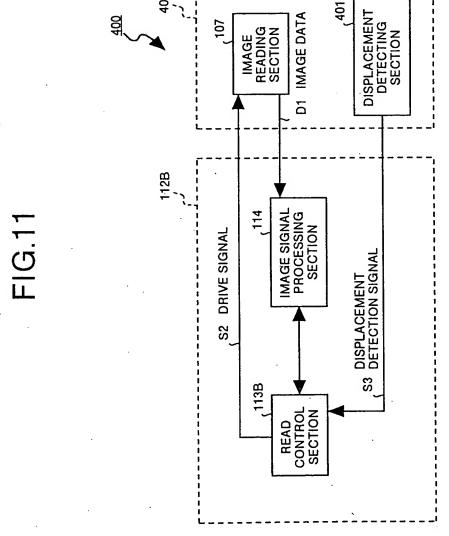
FIG.8





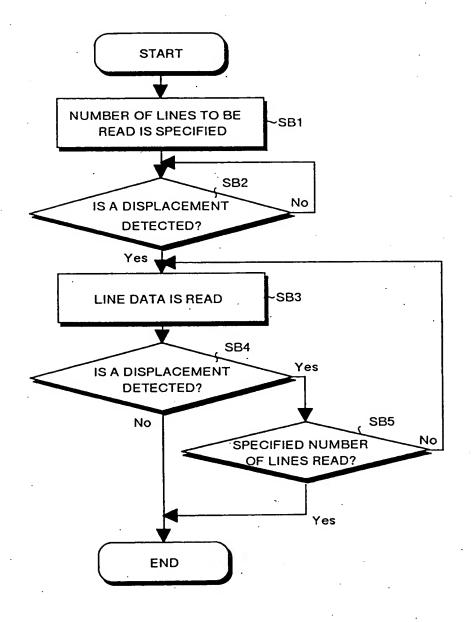






3

FIG.12



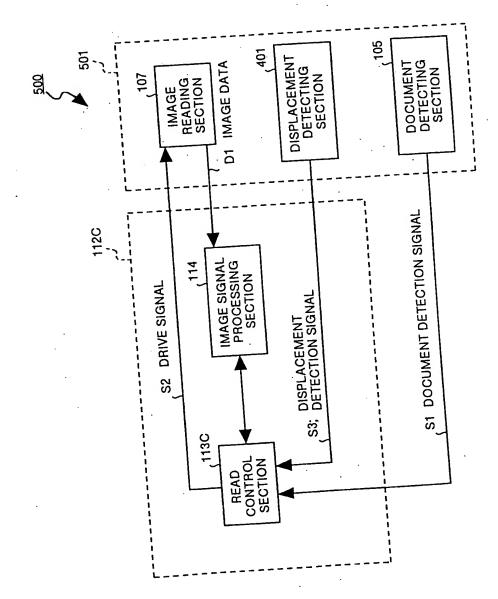
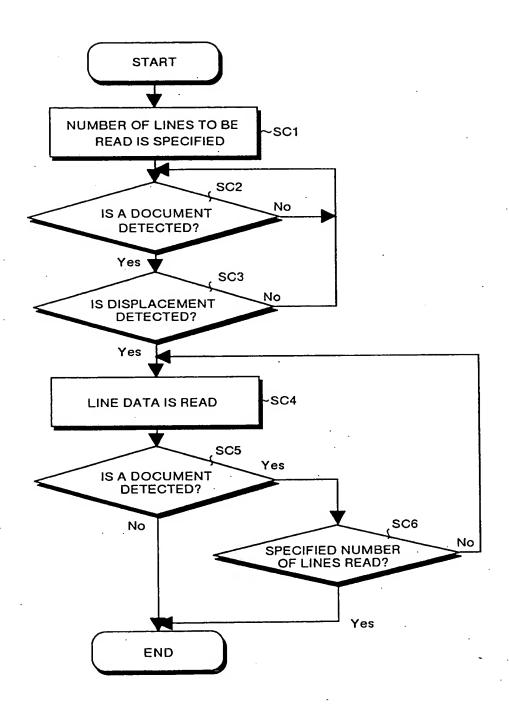
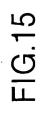


FIG.13

FIG.14





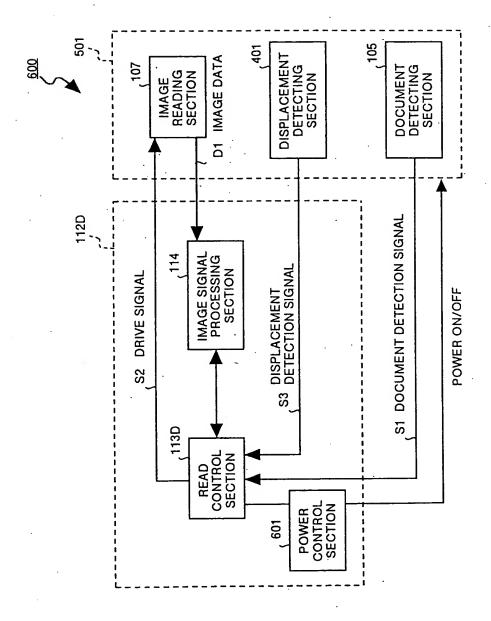
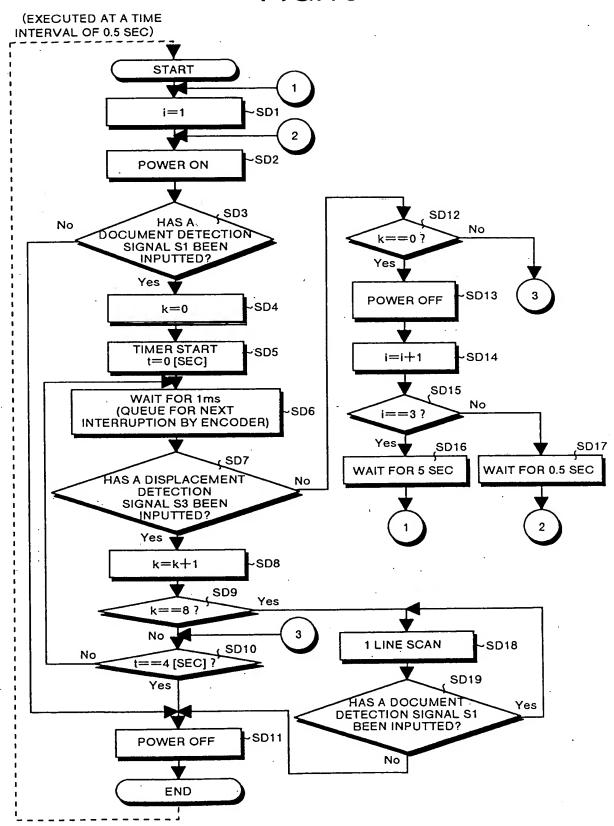


FIG.16





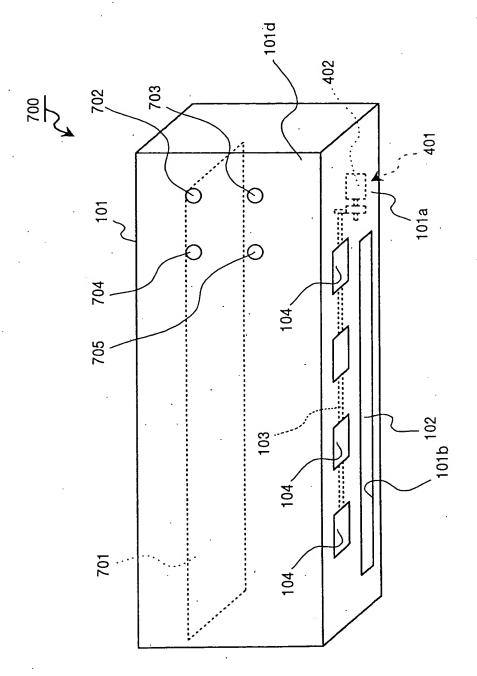
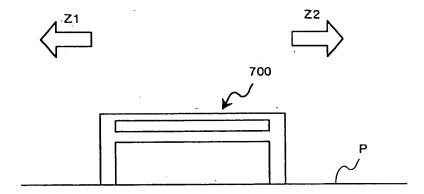
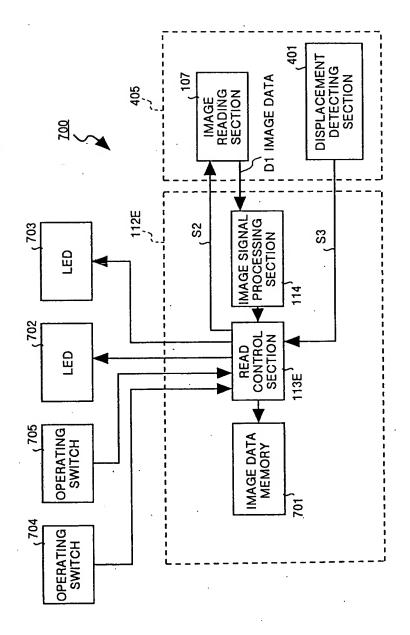
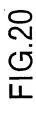


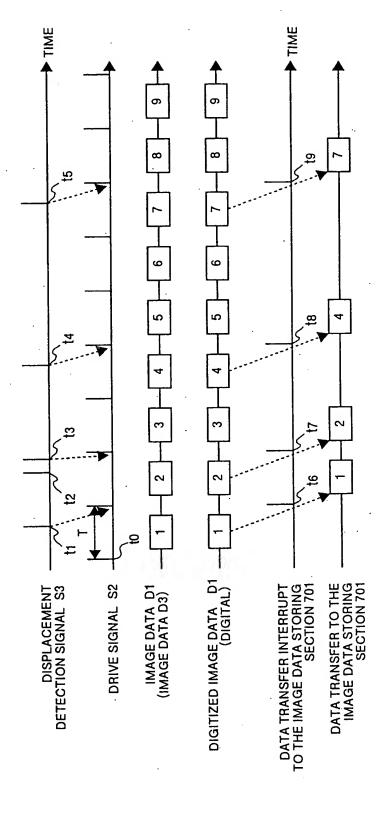
FIG.18











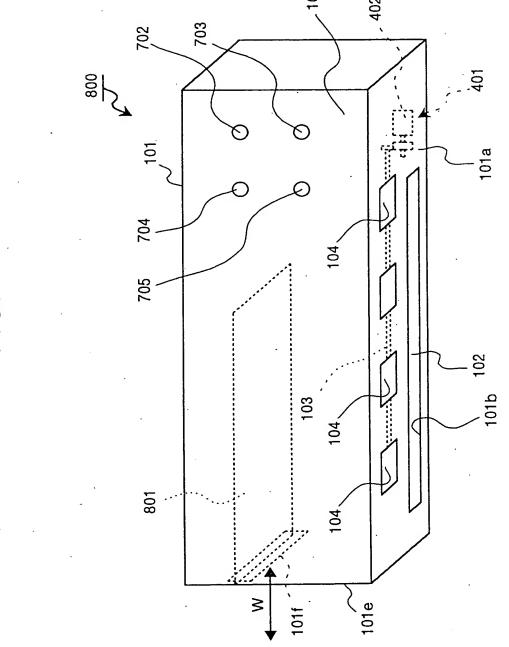
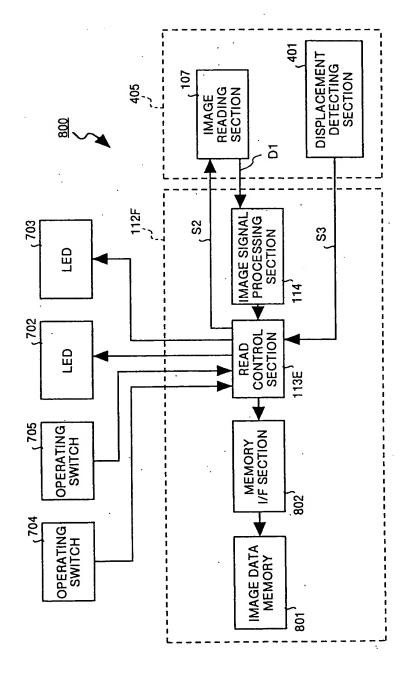


FIG.21





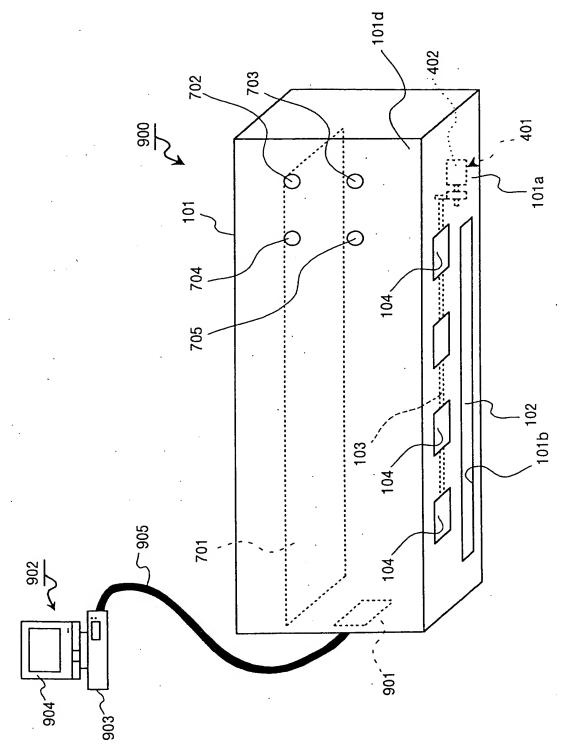
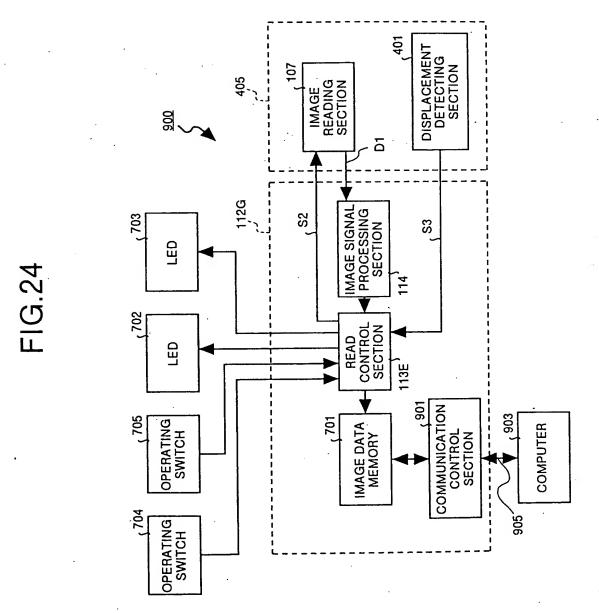


FIG.23



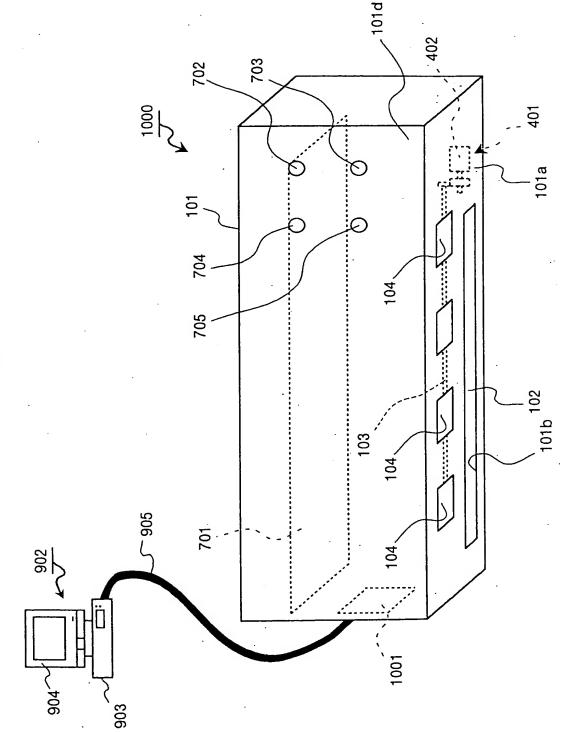
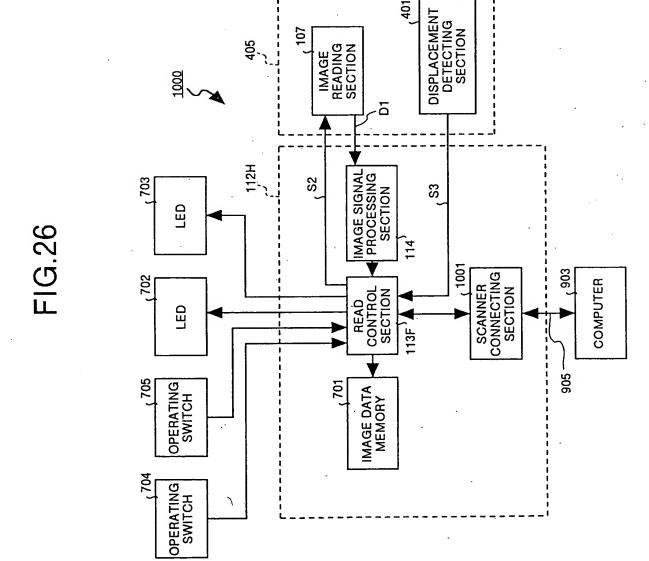


FIG.25



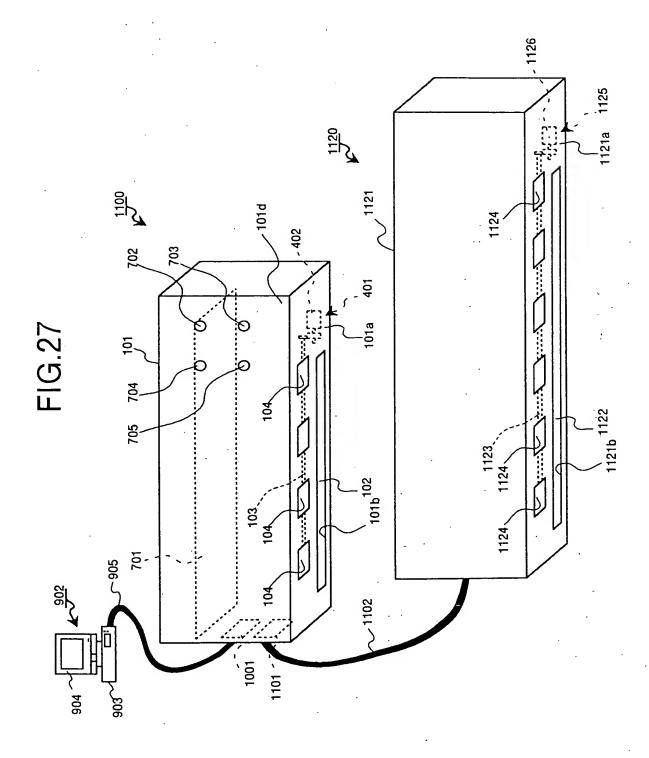
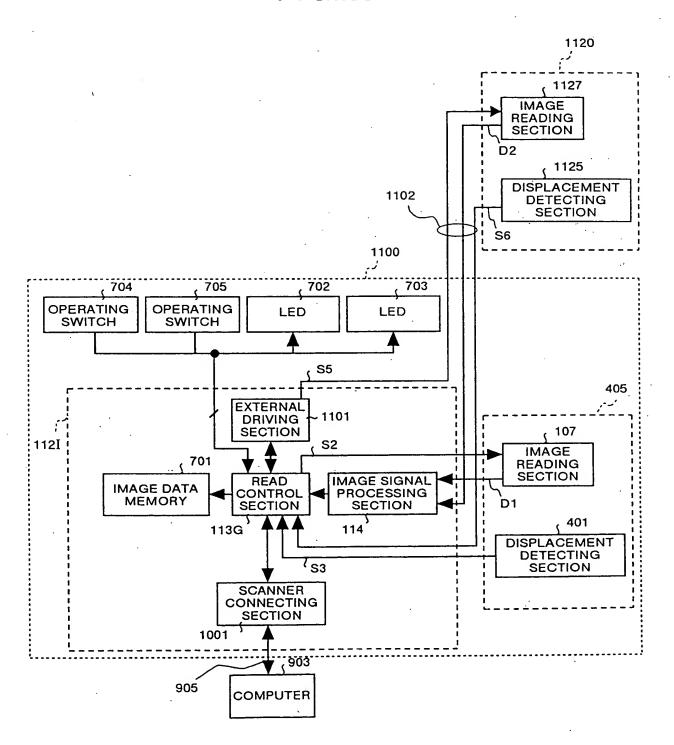


FIG.28



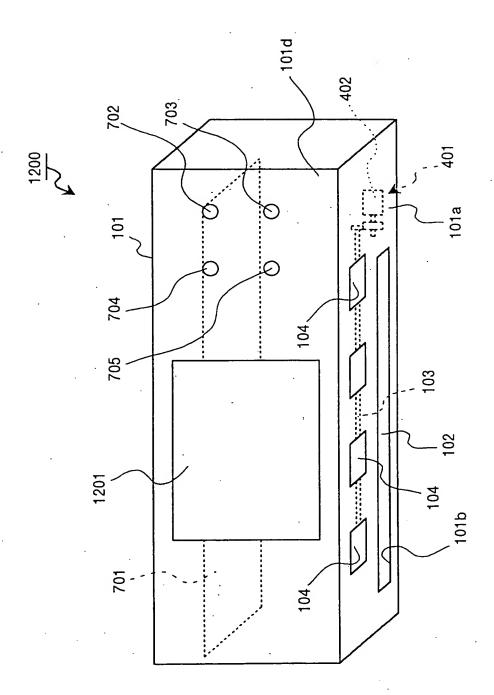
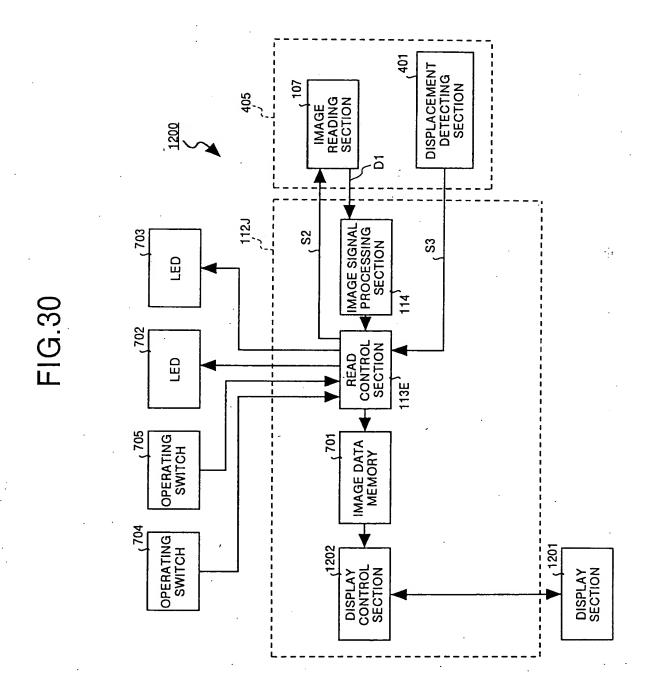
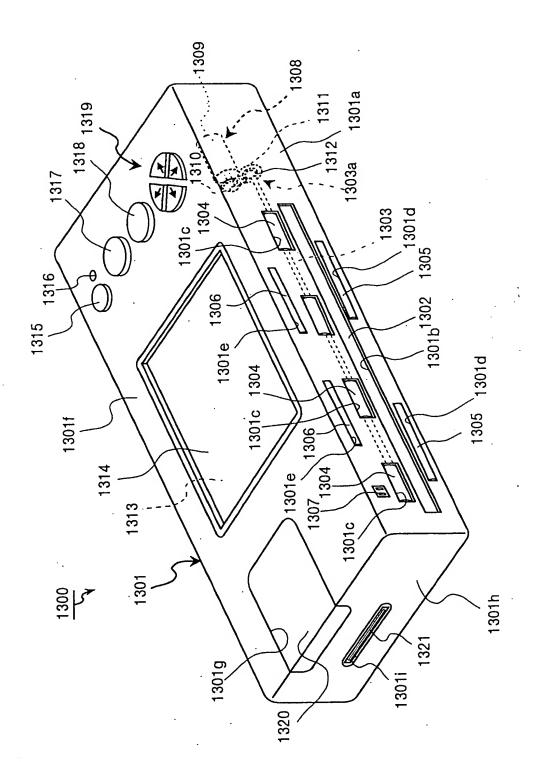
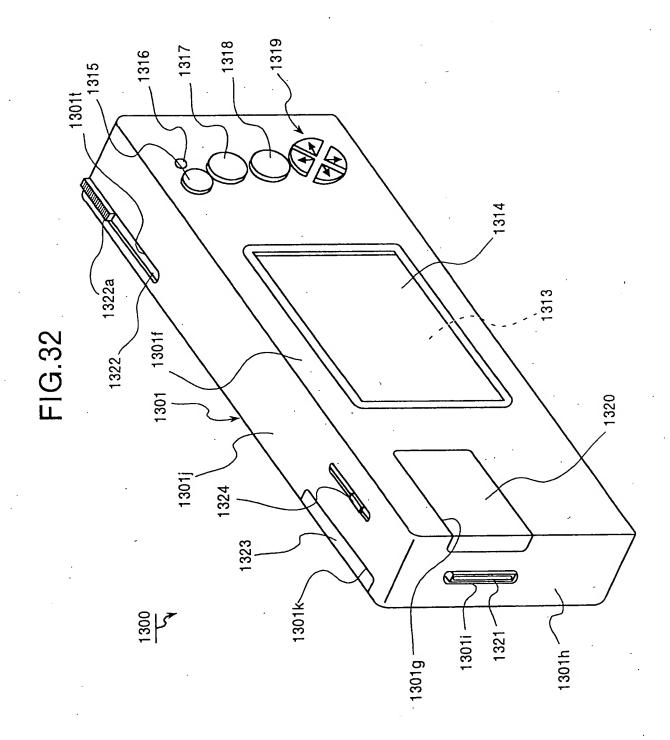


FIG.29









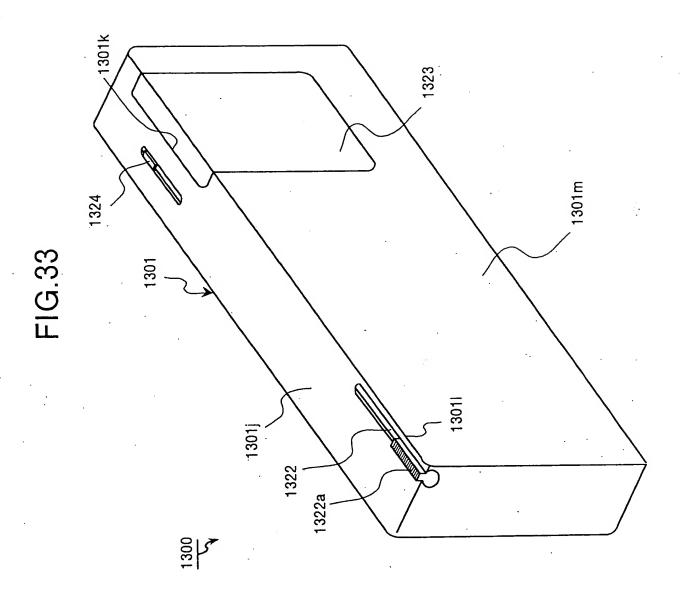


FIG.34

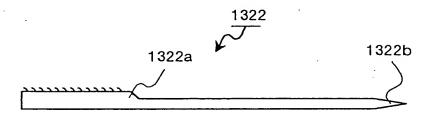


FIG.35

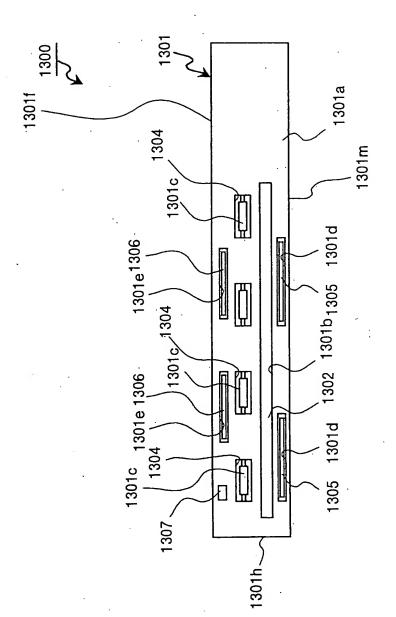


FIG.36

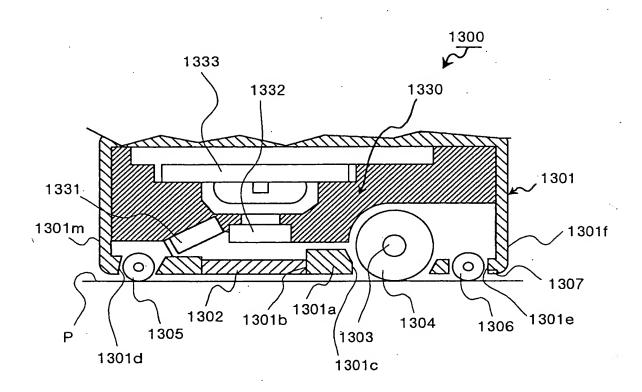


FIG.37

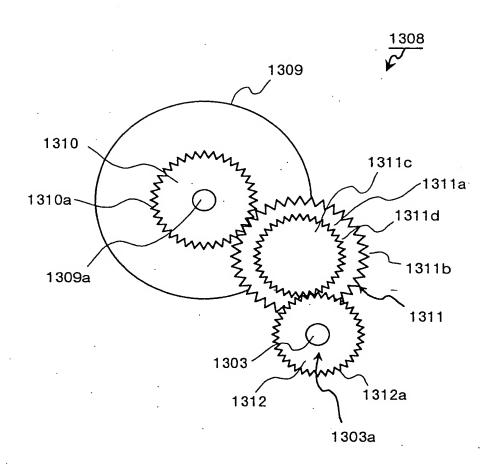
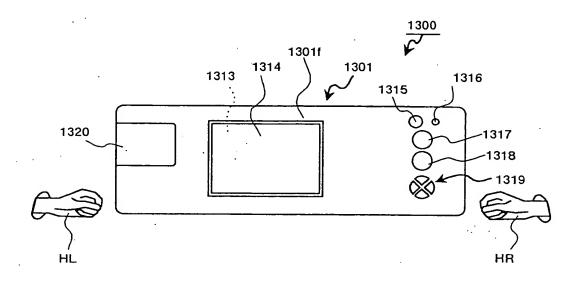


FIG.38



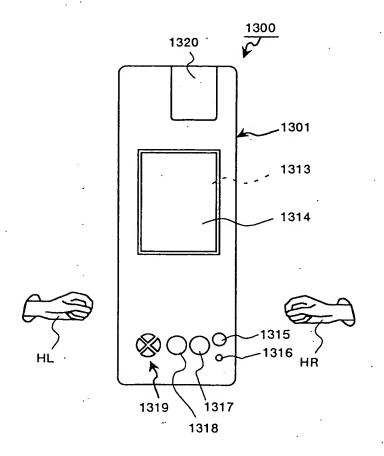
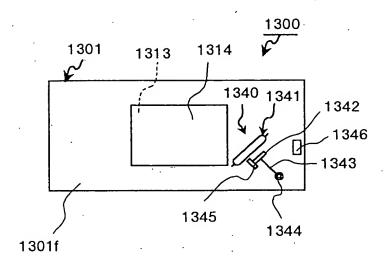


FIG.39



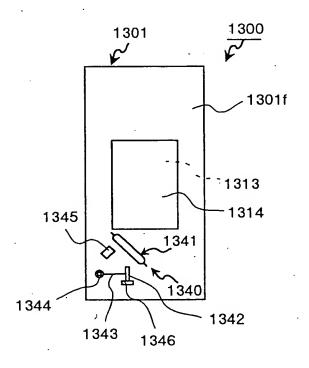


FIG.40

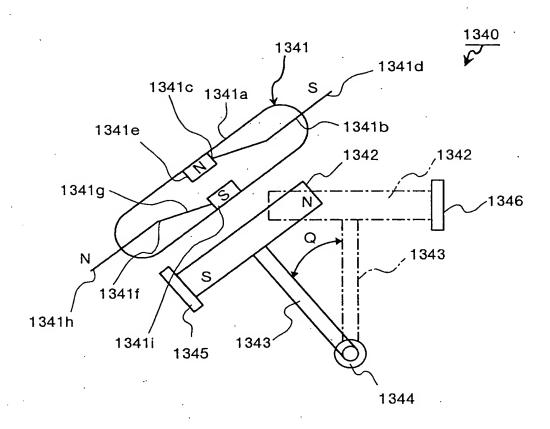


FIG.41

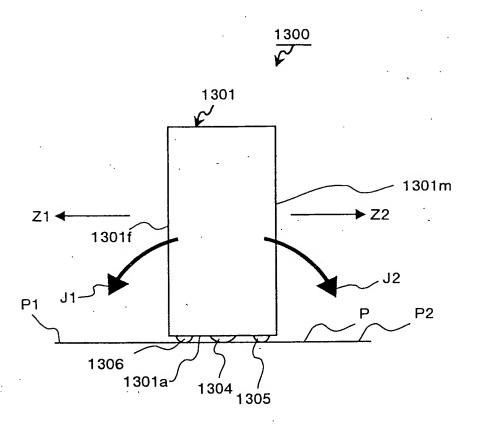


FIG.42

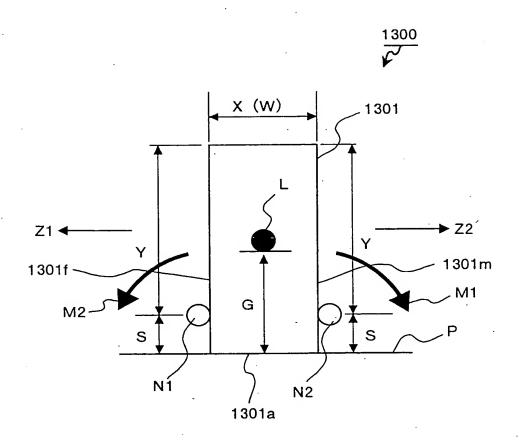
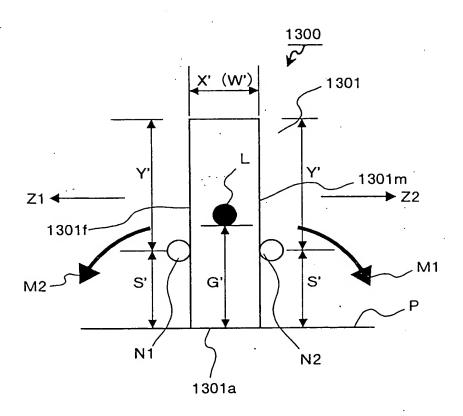
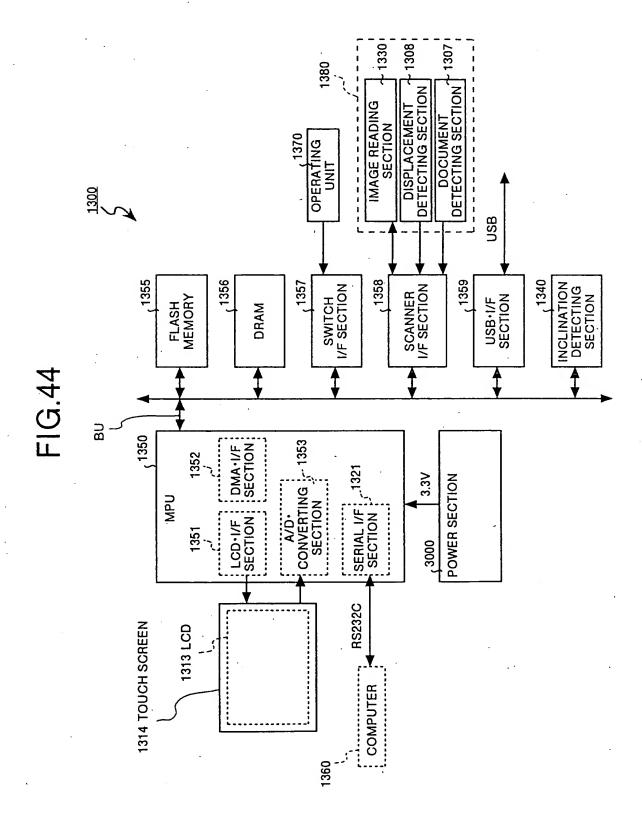
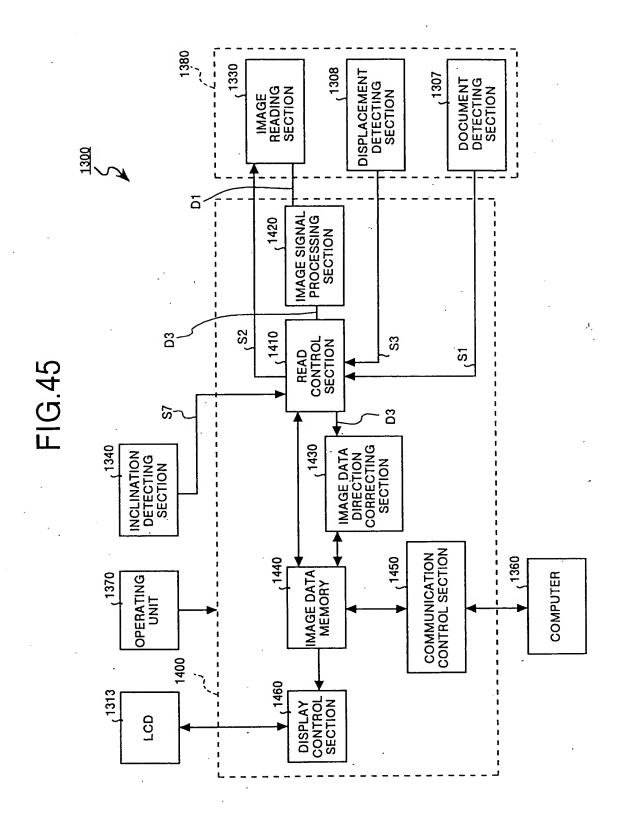


FIG.43







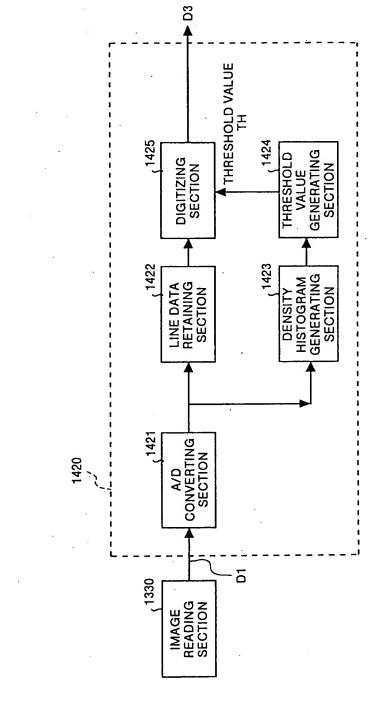
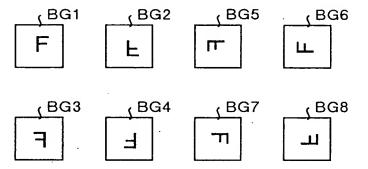


FIG.47



SEPARATED CHARACTER IMAGE

PROPERLY ORIENTATED CHARACTER IMAGE

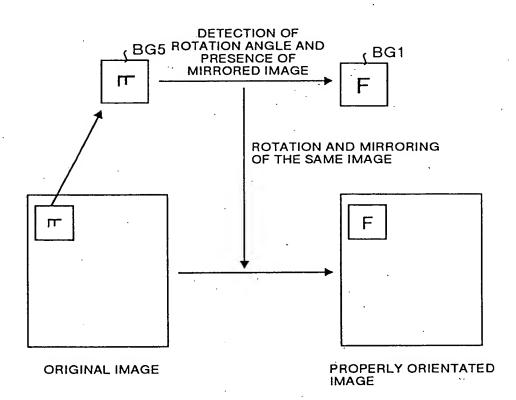
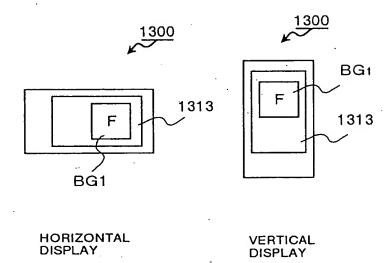
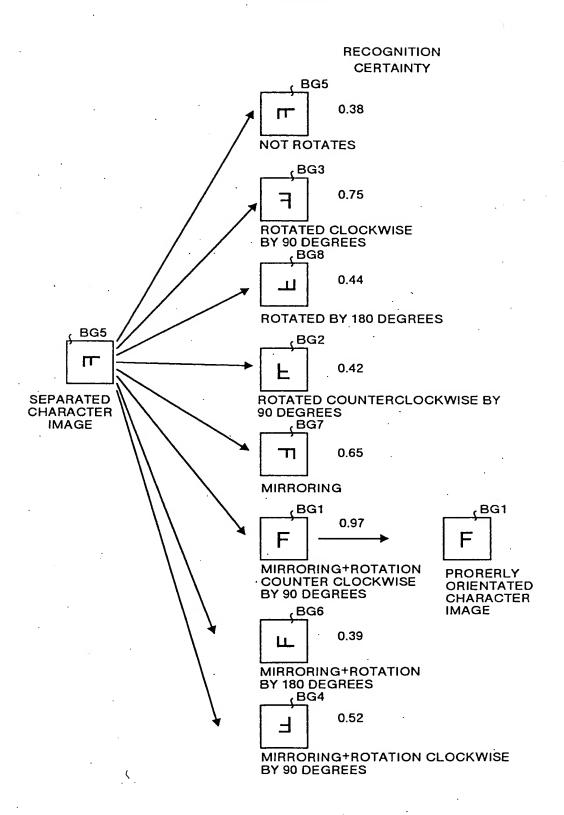


FIG.49





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(1≦Ij≦Pn)	IMAGE NUMBER	SIZE IN THE HORIZONTAL DIRECTION	SIZE IN THE VERTICAL DIRECTION	PRIORITY IN DISPLAY	ATTRIBUTE	DISPLAY POSITION	NUMBER OF CONTRACTED LAYERS	CONTRACTION RATIO OF DISPLAY	DISPLAY FLAG	DIVISION RATIO	ENLARGEMENT RATIO OF DIVIDED	IMAGE DIVIDING DIRECTION FLAG	DISPLAY MODE	BIT MAP DATA (COMPRESSION/DECOMPRESSION)	(PARTIAL IMAGE DATA)
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(1≦Pi≦Dn)		3 OF			TION			ATION	PARTIAL	AAGE DATA I		PARTIAL AAGE DATA Ij	:	PARTIAL IAGE DATA Pn	PAGE DATA)
(1≦PI≦Dn)		3 OF			DIRECTION			ATION	PARTIAL MAGE DATA 1	IMAGE DATA I	•••	PARTIAL IMAGE DATA Ij	•	PARTIAL IMAGE DATA Pn	(PAGE DATA)
(1≦PI≦Dn)	PAGE NUMBER Pi	3 OF	MAGES Pu	NUMBER OF PIXELS IN THE HORIZONTAL PW	DIRECTION	NUMBER OF PIXELS Ph IN THE VERTICAL		ATION	PARTIAL MAGE DATA 1	IMAGE DATA I	•	PARTIAL IMAGE DATA Ij	•	PARTIAL IMAGE DATA Pn	(PAGE DATA)
(1≦Pi≦Dn)		3 OF			DIRECTION			ATION	PARTIAL	IMAGE DATA I		PARTIAL IMAGE DATA Ij		PARTIAL IMAGE DATA Pn	(PAGE DATA)
(1≦Pi≦Dn)		3 OF			•••	NUMBER OF PIXELS IN THE VERTICAL	DIRECTION	ATION	PARTIAL	IMAGE DATA		PARTIAL IMAGE DATA IJ	:	PARTIAL IMAGE DATA Pn	
(1≦PI≦Dn)		NUMBER OF	MAGES	Dg NUMBER OF PIXELS			DIRECTION	Dn inFORMATION	PARTIAL PARTIAL			PAGE DATA PI IMAGE DATA IJ	-	PAGE DATA Dn IMAGE DATA Pn	(DOCUMENT DATA) (PAGE DATA)

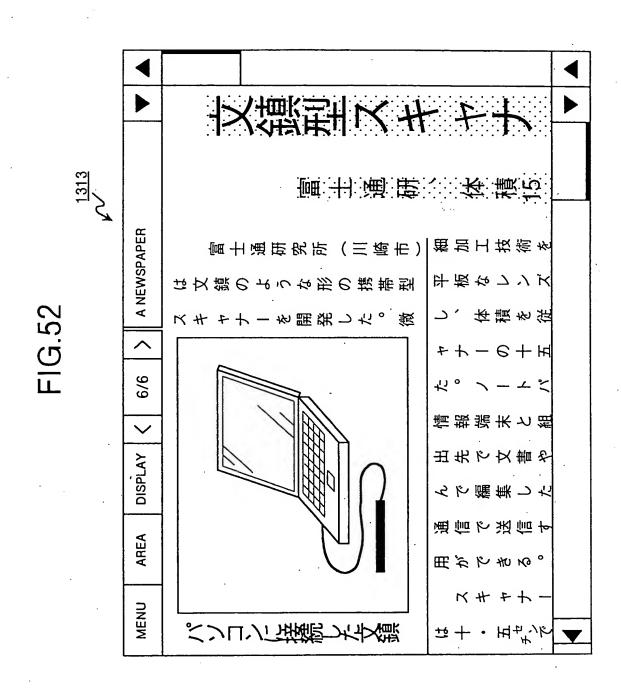


FIG.53

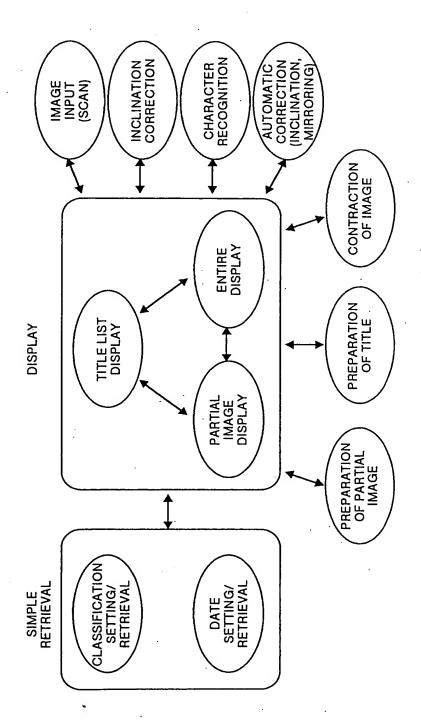


FIG.54

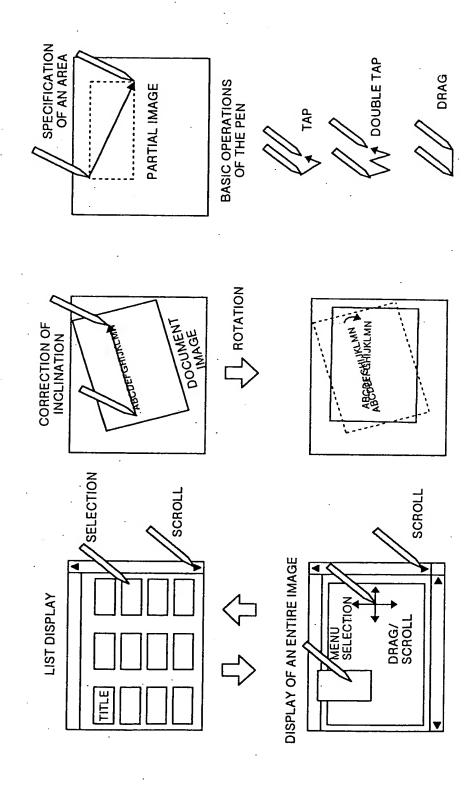
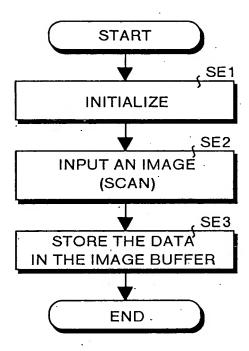


FIG.55



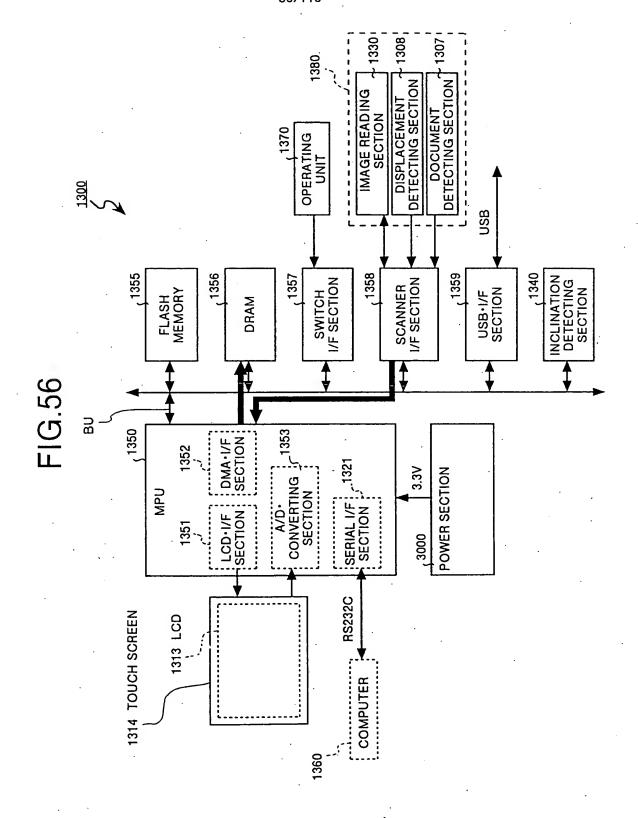


FIG.57

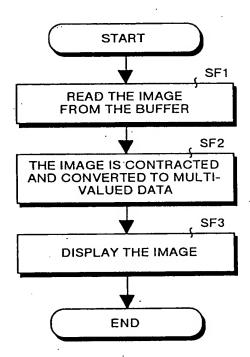
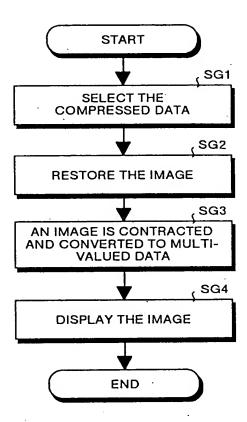


FIG.58



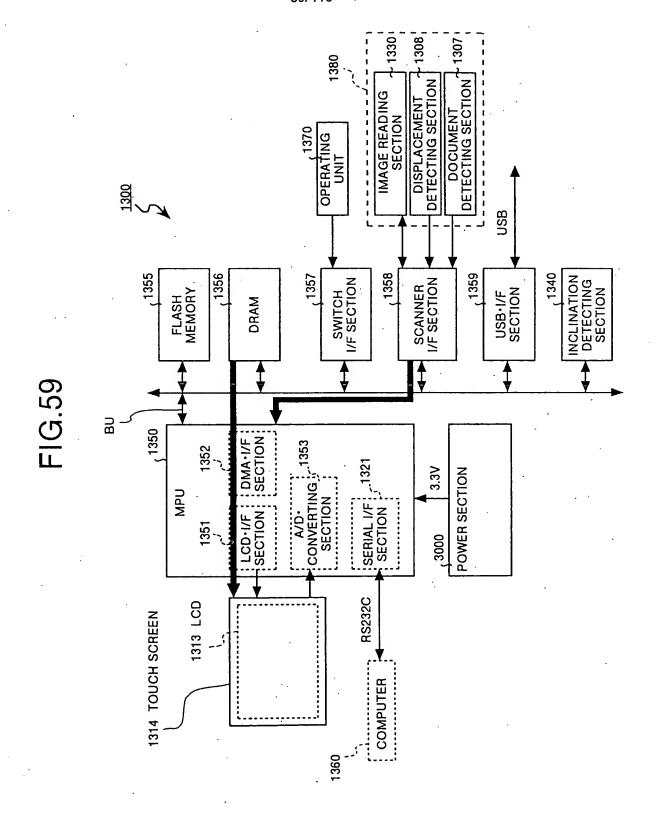
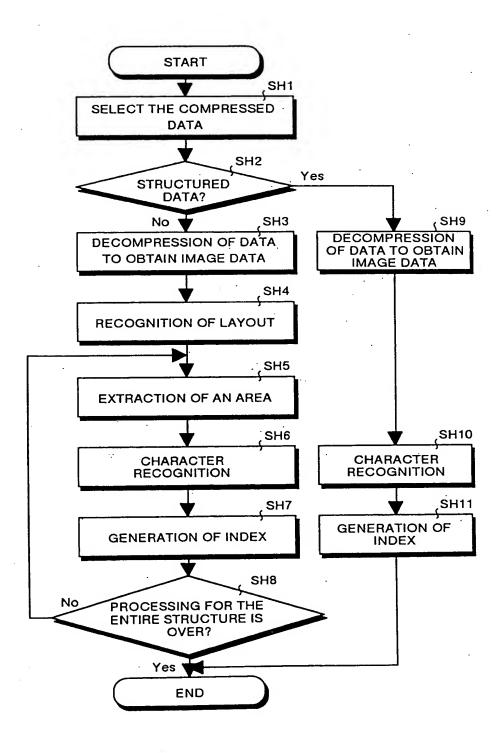


FIG.60



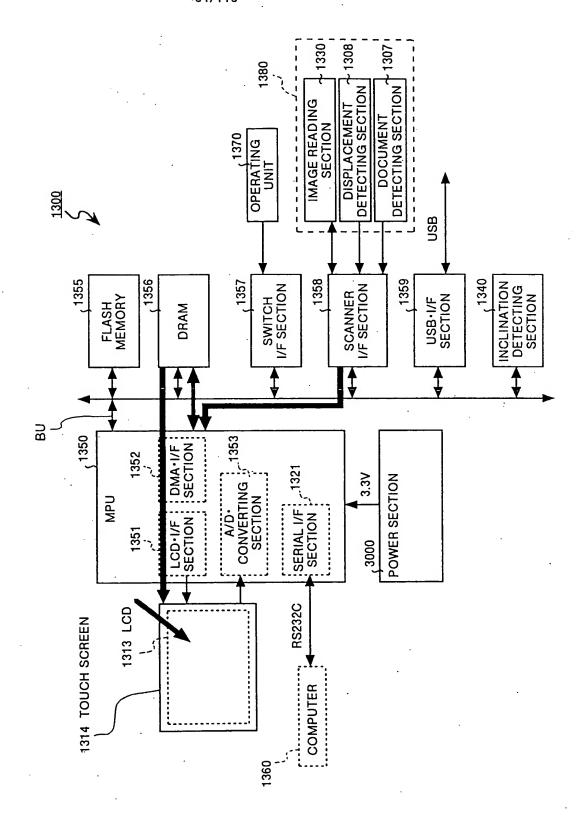


FIG.61

FIG.62

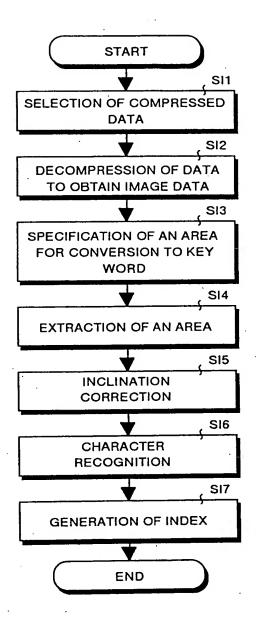


FIG.63

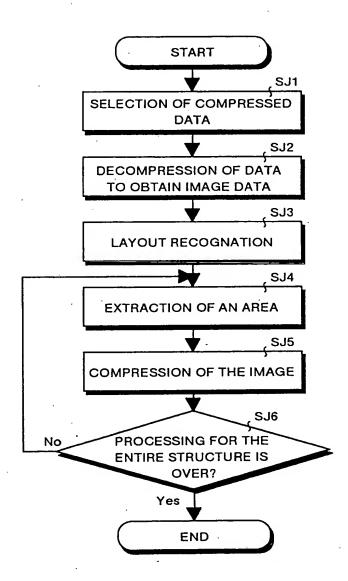


FIG.64

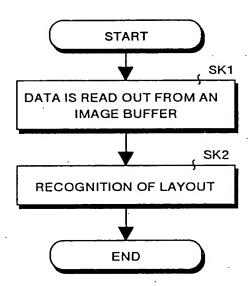
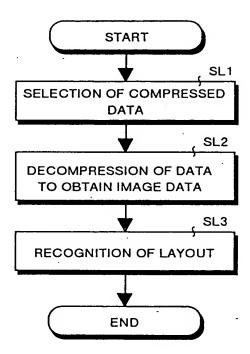


FIG.65



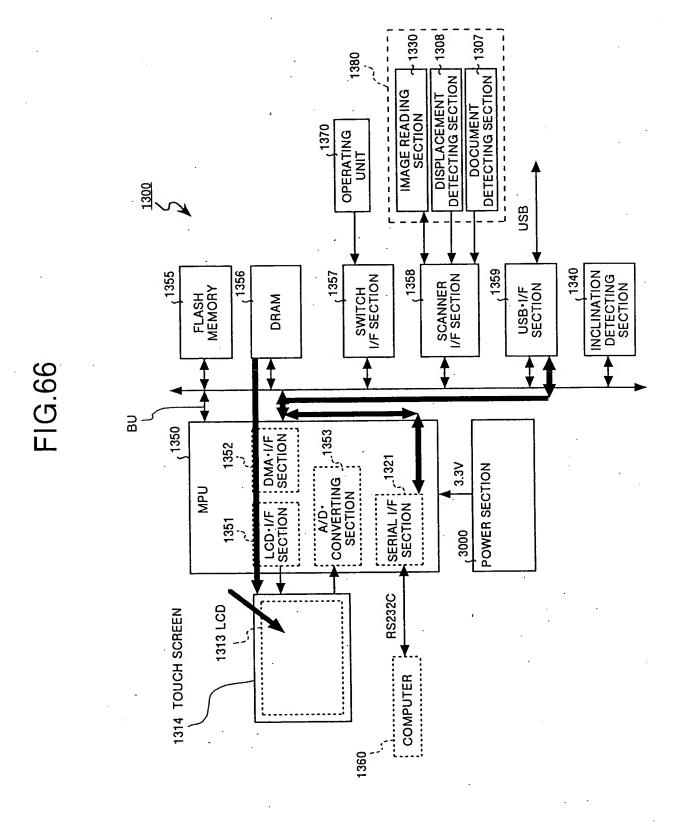
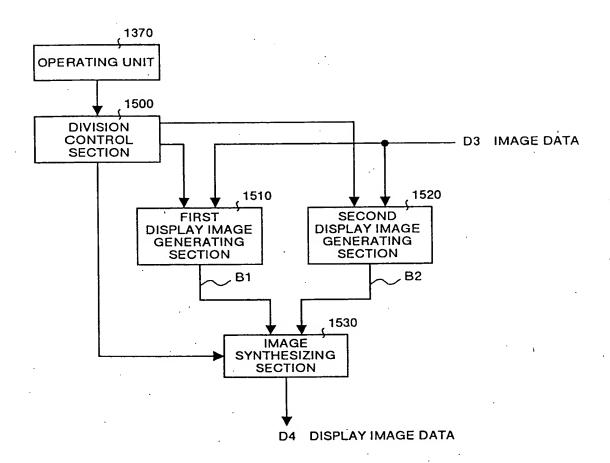
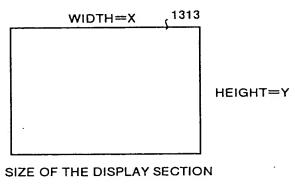
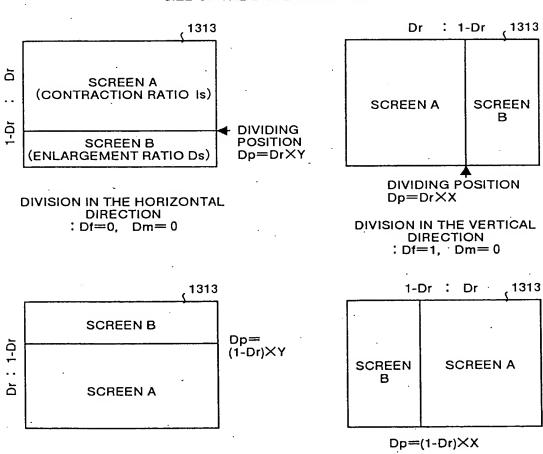


FIG.67



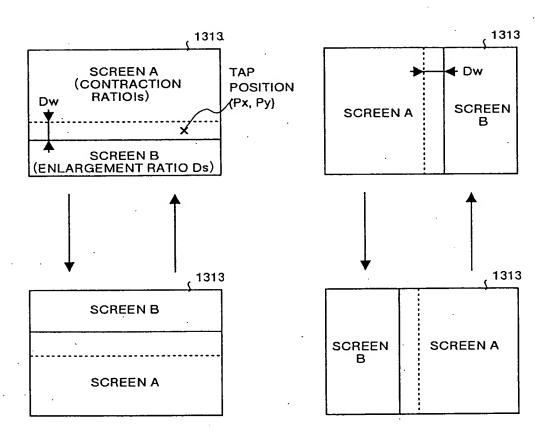




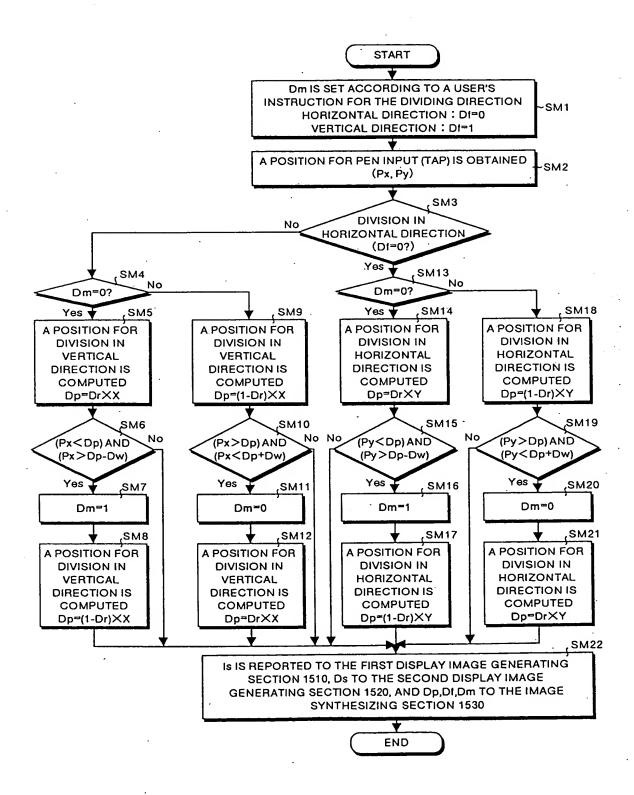
DIVISION IN THE HORIZONTAL DIRECTION: Df=0, Dm=1

DIVISION IN THE VERTICAL DIRECTION: Df=1, Dm=1

FIG.69



SCREEN SWITCHING IN THE HORIZONTAL DIVISION MODE SCREEN SWITCHING IN THE VERTICAL DIVISION MODE





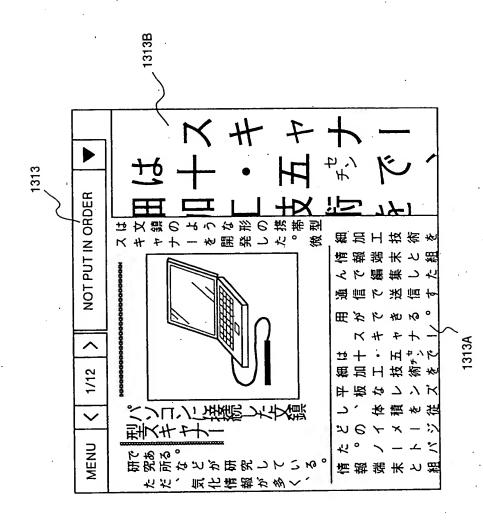
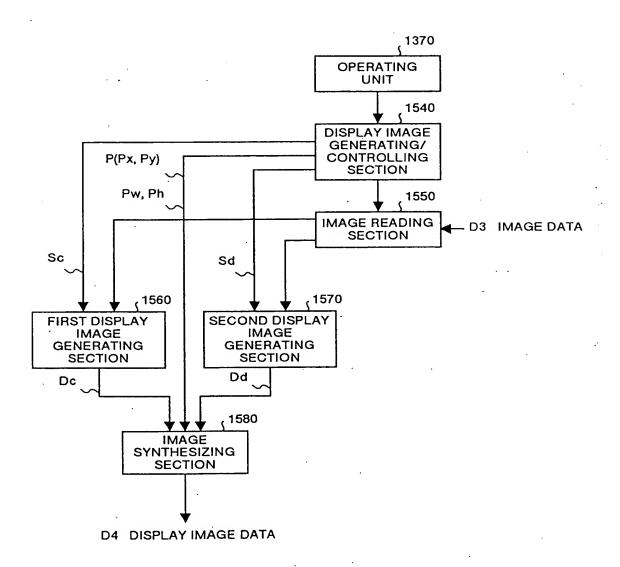


FIG.72



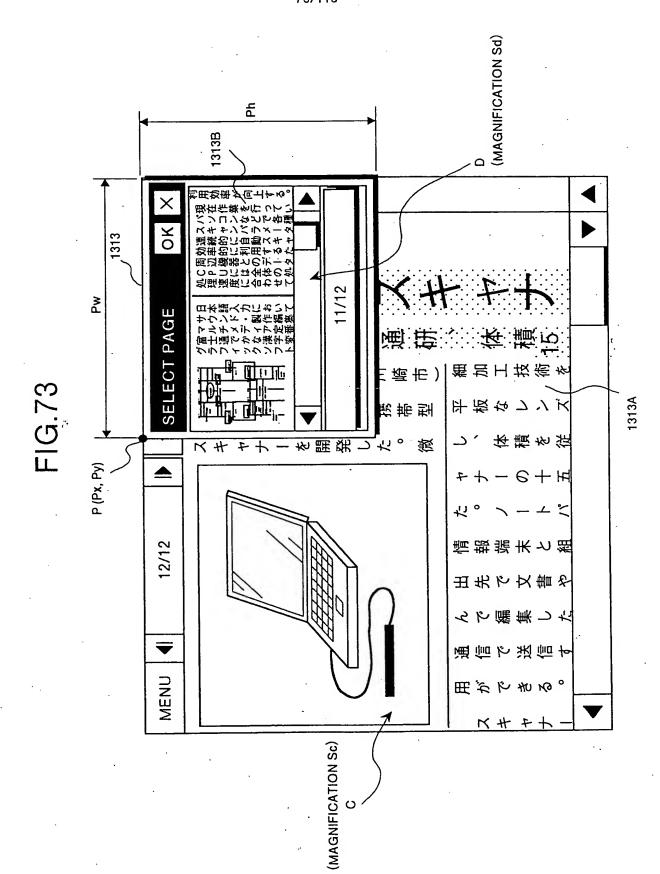


FIG.74

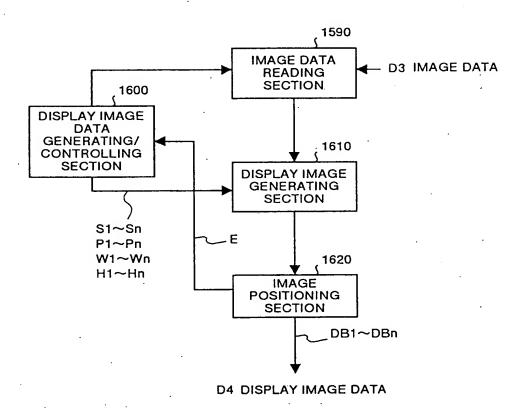


FIG.75

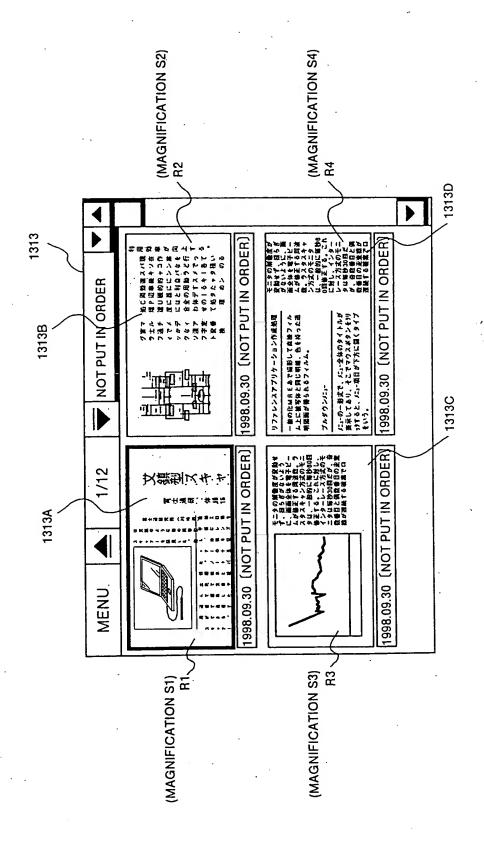
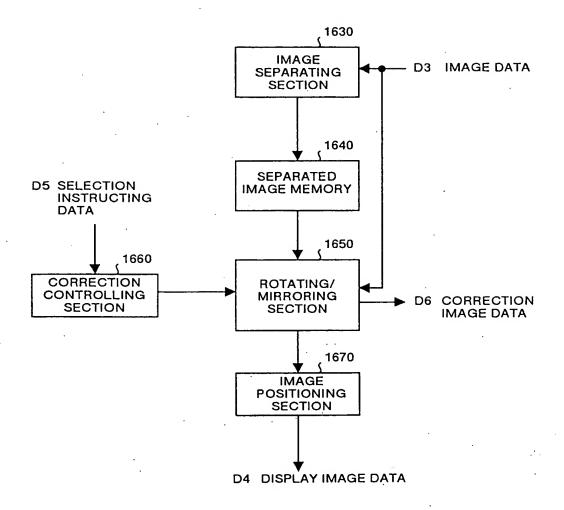
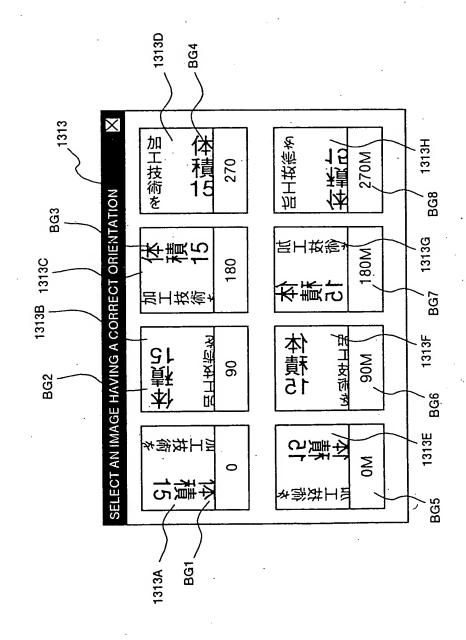
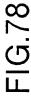


FIG.76









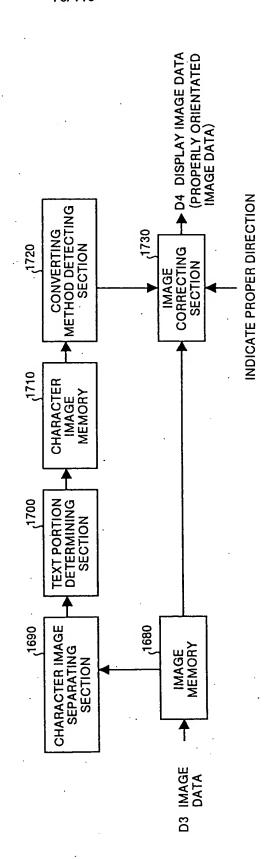
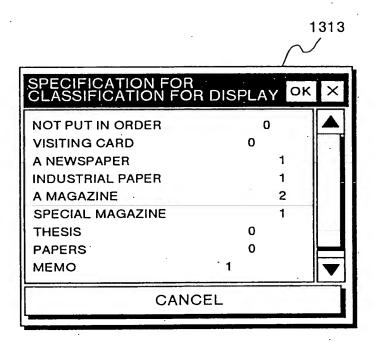
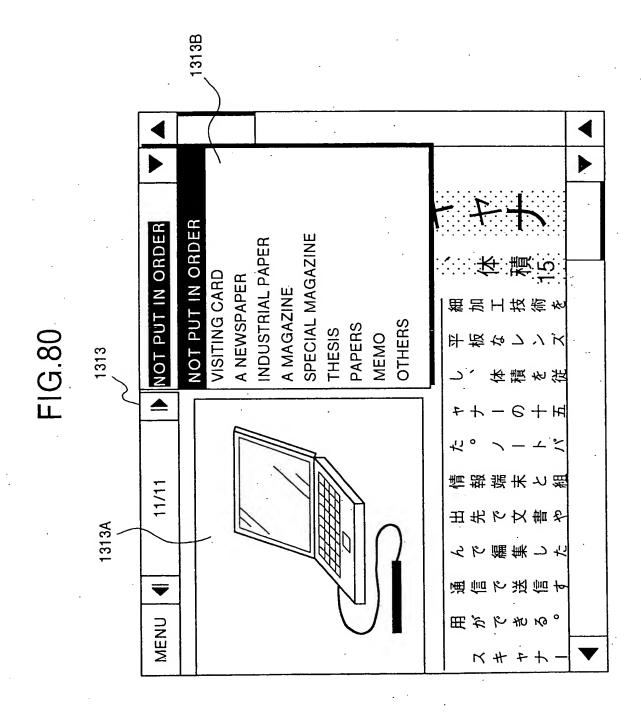
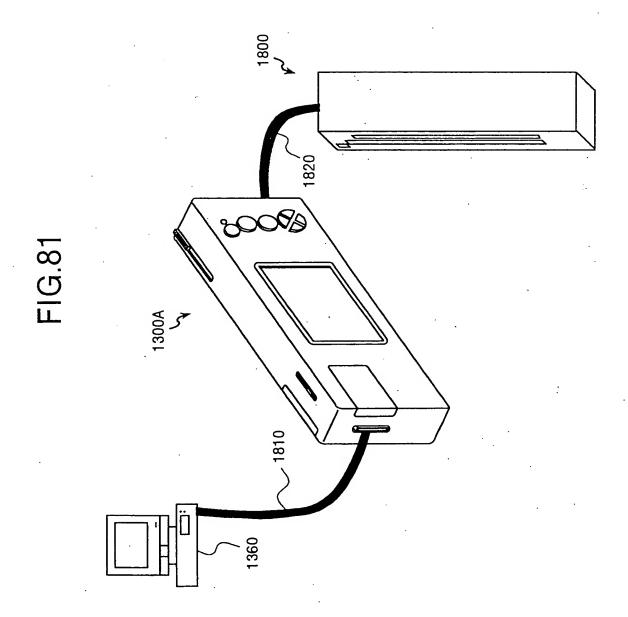
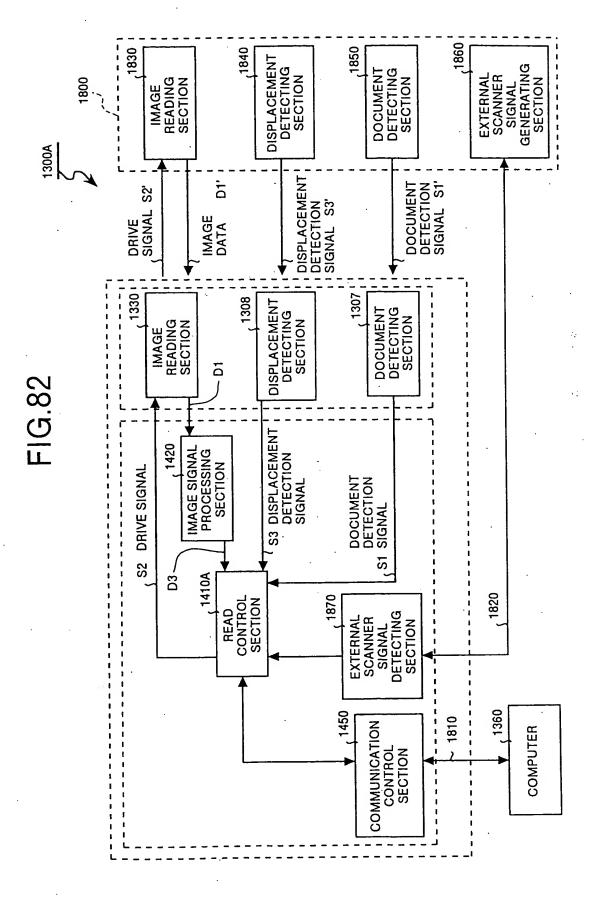


FIG.79









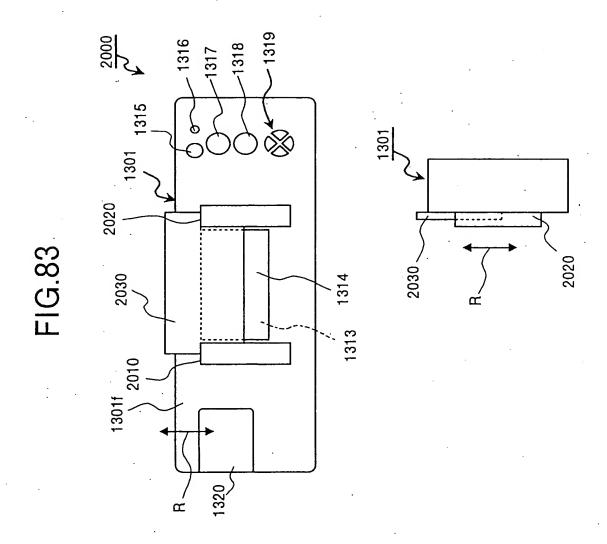


FIG.84

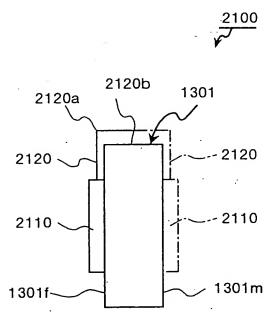


FIG.85

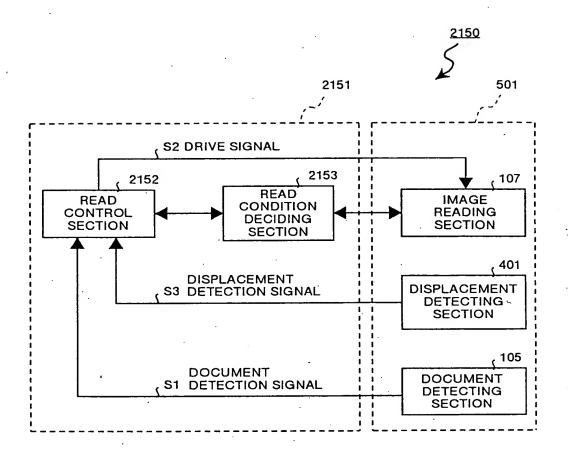


FIG.86

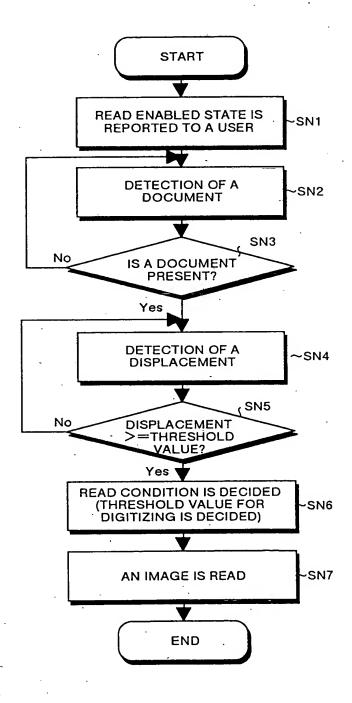


FIG.87

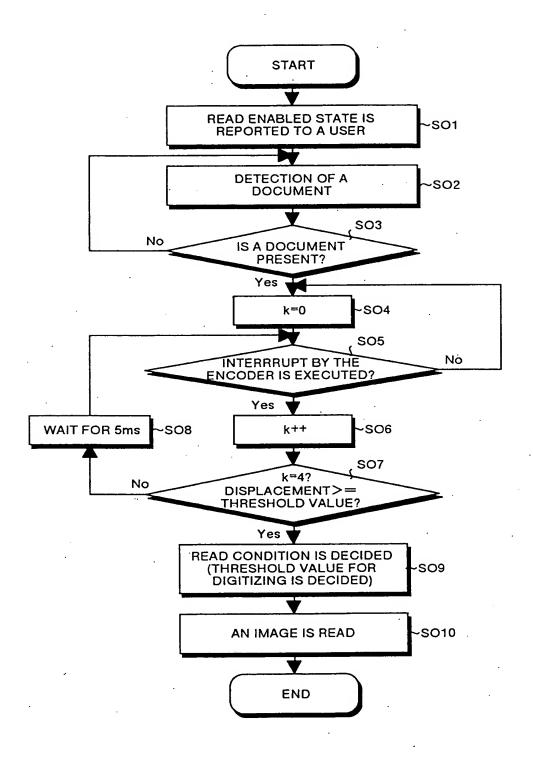
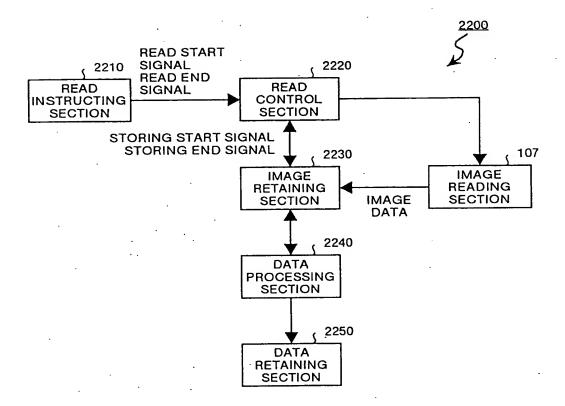
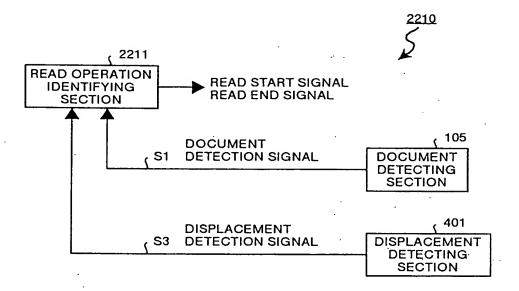


FIG.88





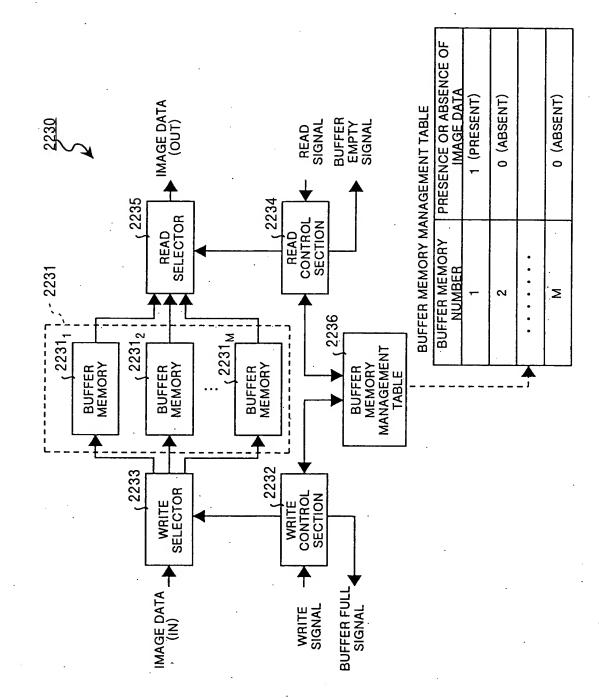


FIG.90

FIG.91

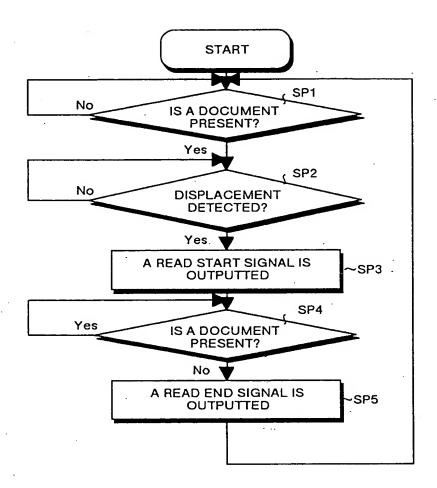


FIG.92

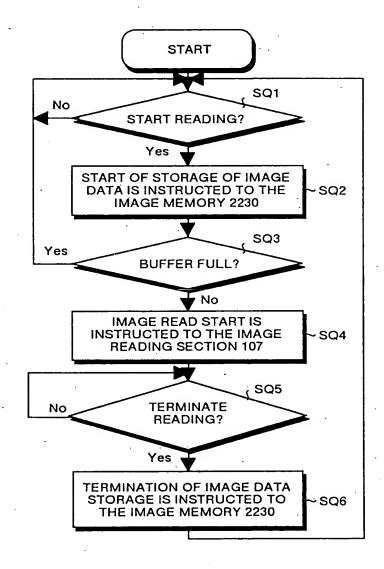


FIG.93

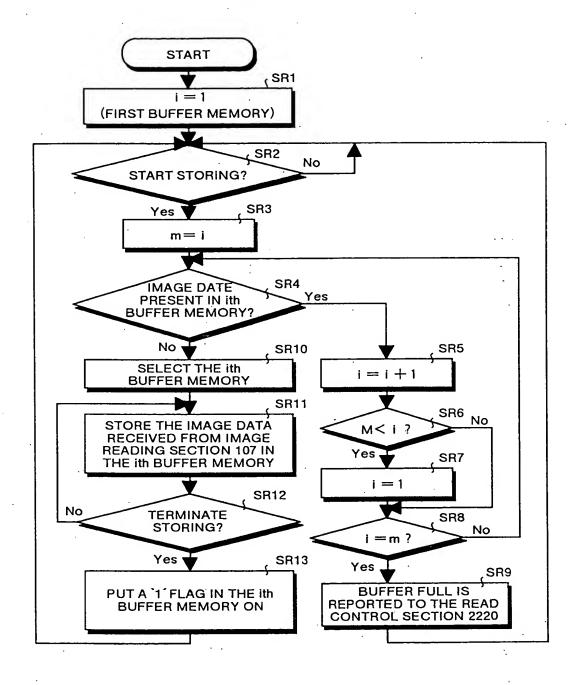
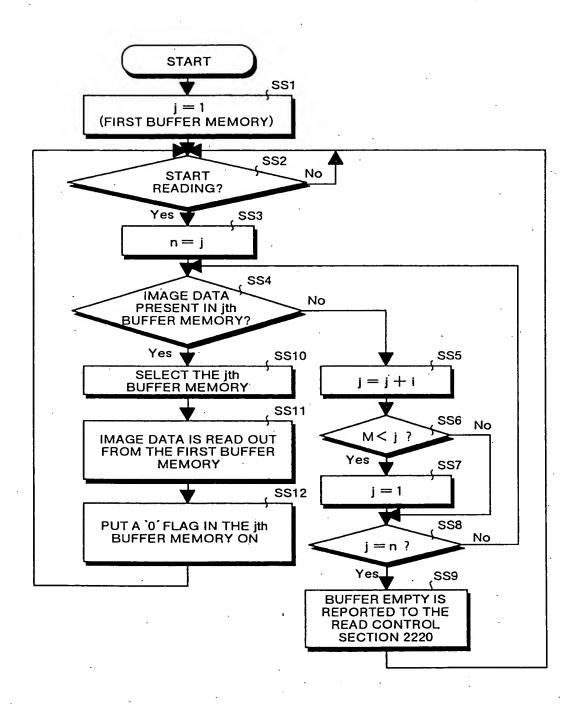


FIG.94





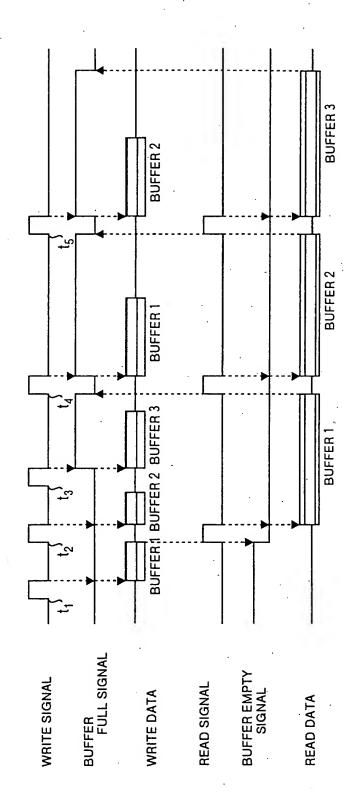


FIG.96

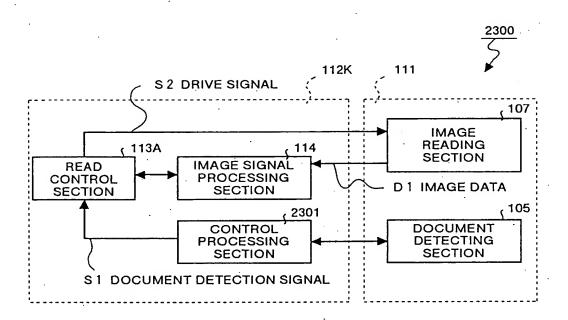


FIG.97

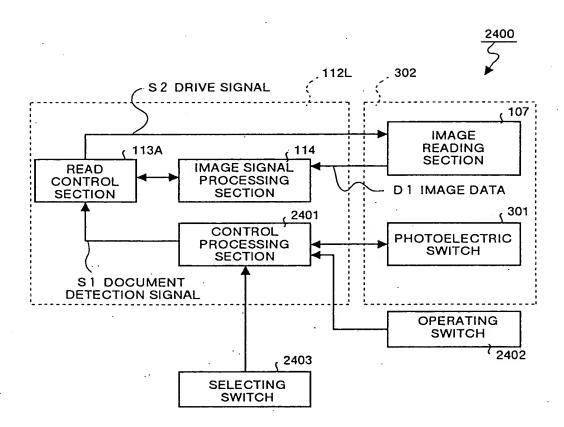
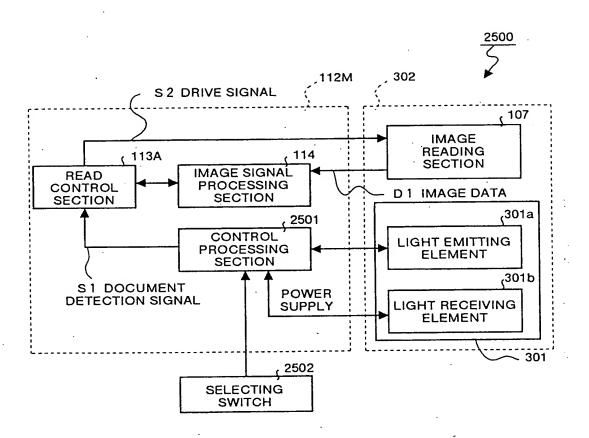


FIG.98



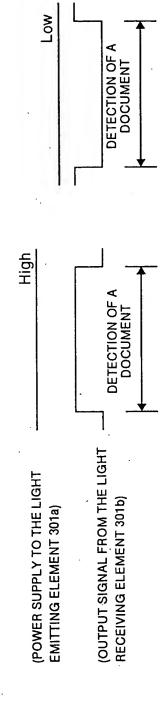
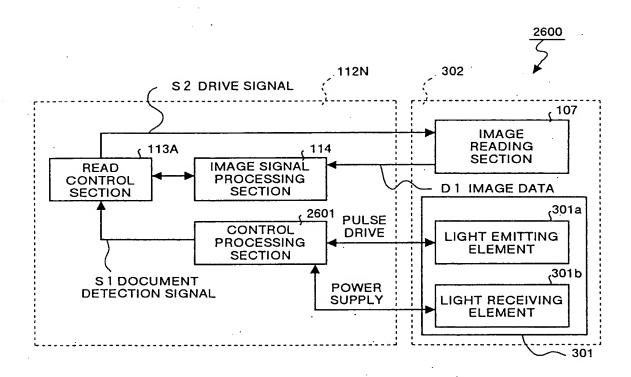


FIG.99

FIG.100



DISTURBING LIGHT ABSENT, POSITION OR DEVICE IN SPACE (LIGHT EMITTING ELEMENT 301a **OUTPUT LIGHT)** Low (LIGHT RECEIVING ELEMENT 301b **OUTPUT SIGNAL)** DISTURBING LIGHT ABSENT, POSITION OR DEVICE ON DOCUMENT (LIGHT EMITTING ELEMENT 301a **OUTPUT LIGHT**) (LIGHT RECEIVING ELEMENT 301b **OUTPUT SIGNAL)** DISTURBING LIGHT ABSENT, POSITION OR DEVICE IN SPACE (LIGHT EMITTING ELEMENT 301a **OUTPUT LIGHT)** High (LIGHT RECEIVING ELEMENT 301b **OUTPUT SIGNAL)**

DISTURBING LIGHT ABSENT, POSITION OR DEVICE ON DOCUMENT

(LIGHT EMITTING ELEMENT 301a OUTPUT LIGHT) (LIGHT RECEIVING ELEMENT 301b OUTPUT SIGNAL)

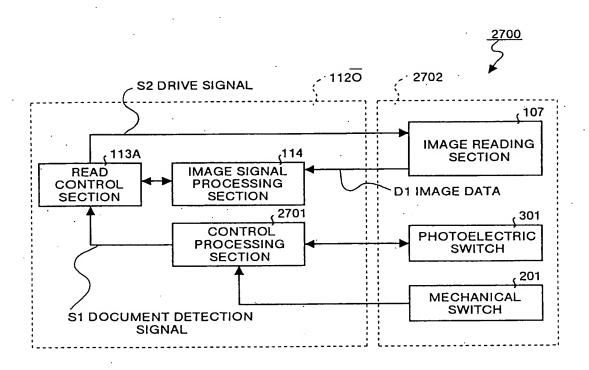
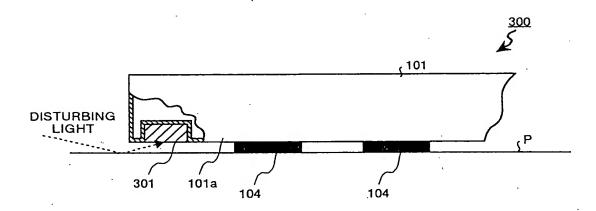
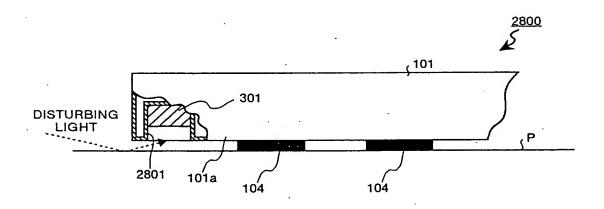


FIG.103





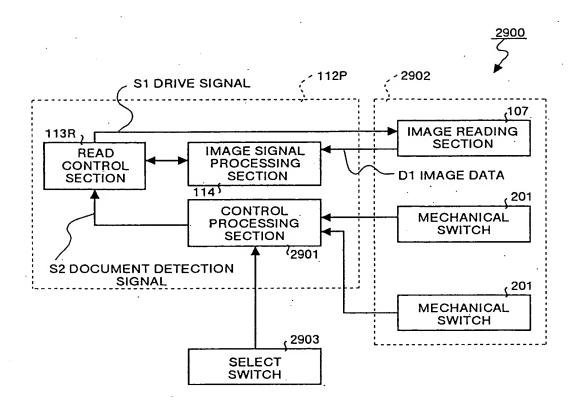
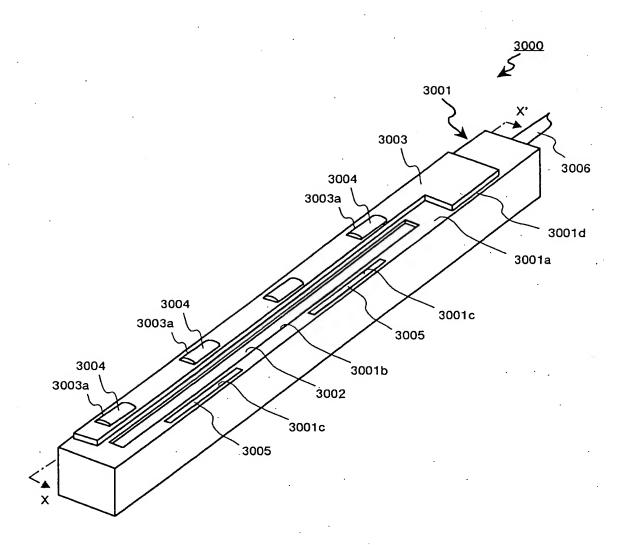


FIG.105



3001d

3001a

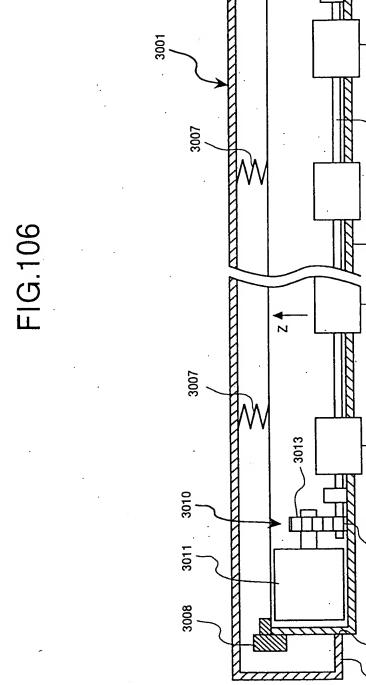
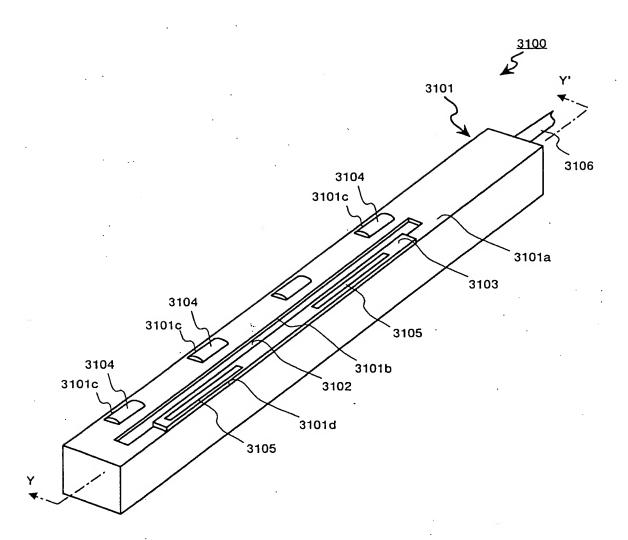
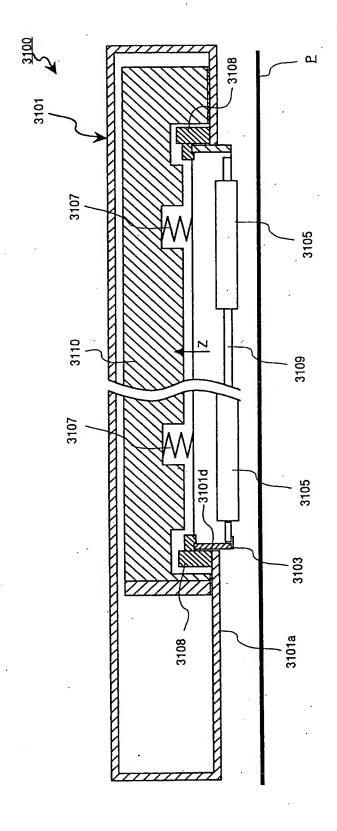
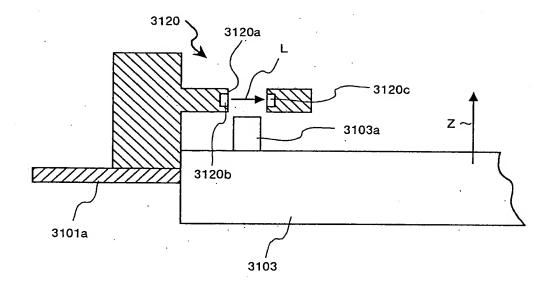


FIG.107









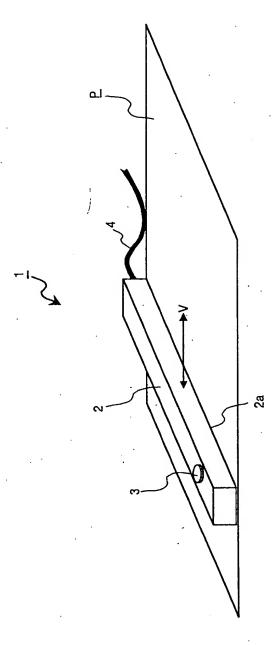
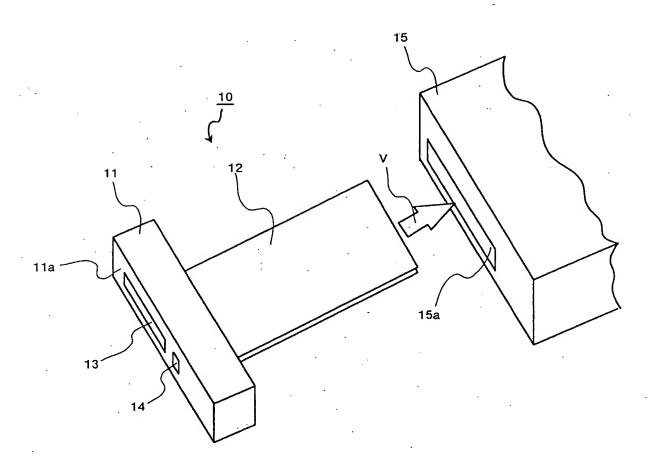
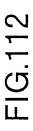
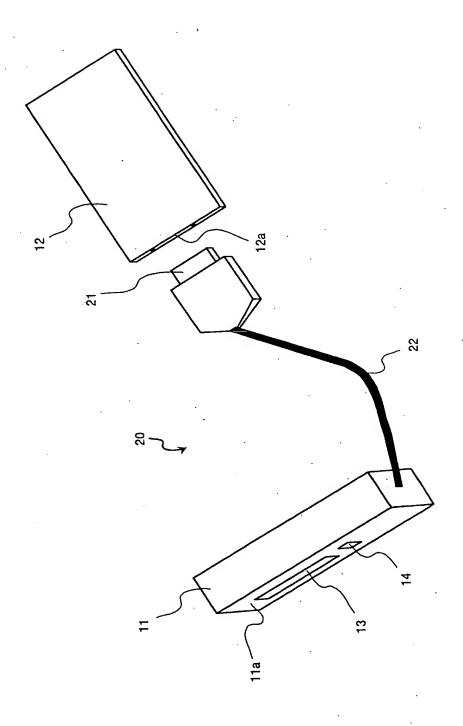
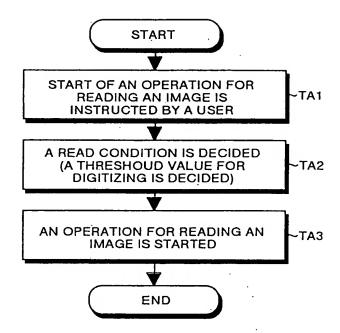


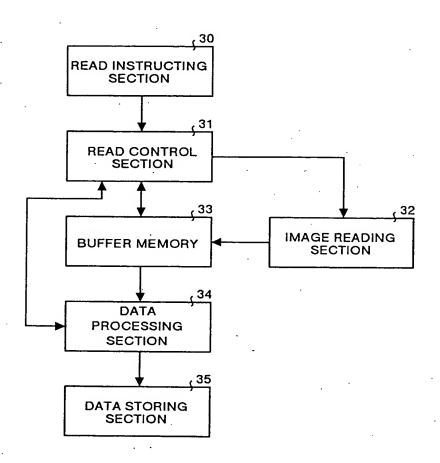
FIG.110

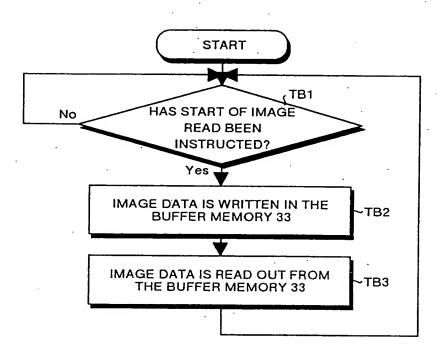












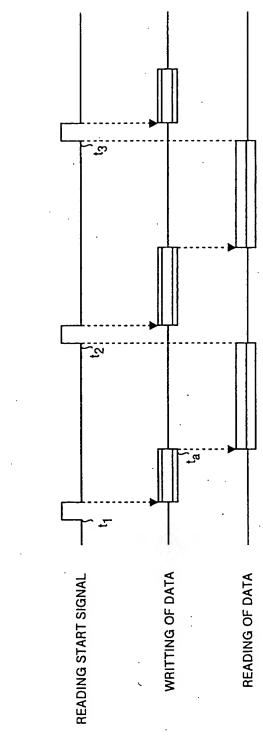


FIG.116